

Converting Colors

XYZ(12.6706, 13.7844, 15.9304)

Have a look what the booklet for
XYZ(12.6706, 13.7844, 15.9304)
contains.

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Color

**XYZ(12.6352, 13.7061,
15.8895)**

Conversions

Conversions Part 1

Format	Color
Hex	61696B
RGB	97, 105, 107
RGB Percent	38%, 41%, 42%
CMY	0.6196, 0.5882, 0.5804
CMYK	0.09, 0.02, 0.00, 0.58
HSL	192°, 5%, 40%
HSV	192°, 9%, 42%
XYZ	12.6352, 13.7061, 15.8895
YIQ	102.8360, -5.4100, -1.0740

Conversions

Conversions Part 2

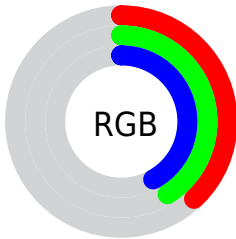
Format	Color
R_{YB}	97, 101, 107
Decimal	6383979
CIE _{Lab}	43.81, -2.61, -2.18
CIE _{LCh}	44, 3.401, 219.823
Yxy	13.7061, 0.2992, 0.3246
Android (android.graphics.Color)	4284574059 (0xFF61696B)
YUV	102.8360, 2.0529, -5.1182
Hunter-Lab	37.0218, -3.8676, 0.4683

Details

The XYZ color **12.6352, 13.7061, 15.8895** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6830, 12.9124, 13.1334**, and the grayscale version is **12.8449, 13.5139, 14.7166**.

A 20% lighter version of the original color is **30.2728, 32.5415, 37.0333**, and **3.6939, 4.0562, 4.8632** is the 20% darker color. If you saturate the color by 10%, you get **11.3562, 12.7279, 15.7683**, and if you desaturate by 10%, it is **14.0743, 14.7757, 16.0203**.

Distribution



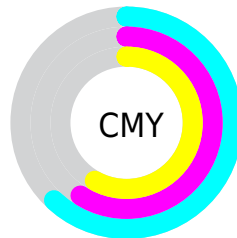
- Red (38%)
- Green (41%)
- Blue (42%)



- Red (38%)
- Yellow (40%)
- Blue (42%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (58%)



- Cyan (62%)
- Magenta (59%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6352, 13.7061, 15.8895 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.6352, 13.7061, 15.8895 by changing the saturation by 10% instead.

■ 12.6352, 13.7061,
15.8895

■ 12.6352, 13.7061,
15.8895

202.2515,
215.3947, 240.5122

■ 7.2531, 7.9165,
9.2925

■ 30.2538, 32.5666,
37.1704

■ 3.6686, 4.0416,
4.8330

■ 43.2209, 46.4064,
52.6913

■ 1.5164, 1.6969,
2.0926

■ 59.4471, 63.6983,
72.0240

■ 0.3370, 0.4216,
0.6114

■ 79.2977, 84.8269,
95.5870

■ 0.0000, 0.0000,
0.0000

103.1381,
110.1764, 123.7987

131.3337,

140.1313, 157.0778

164.2497,
175.0759, 195.8428

■ 12.6352, 13.7061,
15.8895

■ 12.6352, 13.7061,
15.8895

■ 11.3562, 12.7279,
15.7683

■ 14.0743, 14.7757,
16.0203

■ 10.2299, 11.8361,
15.6555

■ 15.6781, 15.9381,
16.1602

■ 9.2502, 11.0279,
15.5512

■ 17.4526, 17.1967,
16.3096

■ 8.4101, 10.2995,
15.4549

■ 19.4029, 18.5542,
16.4688

■ 7.7018, 9.6471,
15.3663

■ 21.5341, 20.0134,
16.6381

■ 7.1170, 9.0661,
15.2849

■ 23.8510, 21.5767,
16.8177

■ 6.6462, 8.5517,
15.2105

■ 26.3583, 23.2466,
17.0079

■ 6.2786, 8.0982,
15.1423

■ 29.0604, 25.0254,
17.2089

■ 5.9713, 7.6834,
15.0784

■ 31.9616, 26.9155,
17.4208

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.5257, 13.7061, 15.1770



12.6352, 13.7061, 15.8895



12.8502, 13.7061, 16.3531

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.6352, 13.7061, 15.8895



13.5173, 13.7061, 15.4388



12.9395, 13.7061, 13.5152

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.6352, 13.7061, 15.8895



12.6830, 12.9124, 13.1334

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.2059, 13.7061, 13.5799



12.6352, 13.7061, 15.8895



13.5420, 13.7061, 14.6731

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.6352, 13.7061, 15.8895



13.3603, 13.7061, 16.0868



13.4273, 13.7061, 13.9977



12.6998, 13.7061, 13.8179

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.6352, 13.7061, 15.8895



13.0256, 13.7061, 16.4497



13.4273, 13.7061, 13.9977



13.0288, 13.7061, 13.4950

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.6356, 13.7067, 15.8898



24.2043, 25.7226, 28.5970



12.4319, 13.9547, 13.8012



5.8146, 6.1935, 6.9178



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.6356, 13.7067, 15.8898



22.1531, 24.1864, 28.4085



12.1570, 12.7495, 15.7303



3.1330, 3.3943, 3.9249



7.2189, 9.2722, 18.3315



36.1648, 46.0082, 93.2006

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.8882, 12.6954, 15.1365



22.6959, 22.0305, 26.7860



13.1548, 13.8562, 13.2907



3.1929, 3.1540, 3.7463



9.3907, 4.6084, 10.9517



47.5371, 23.3568, 54.1585

Previews

White Background



This preview shows how the XYZ color 12.6352, 13.7061, 15.8895 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.6352, 13.7061, 15.8895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

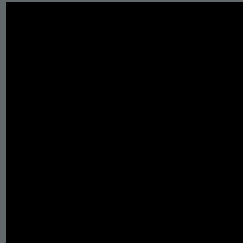
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

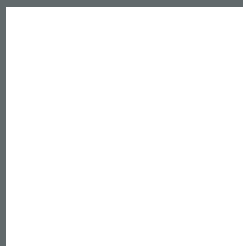
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6352, 13.7061, 15.8895

Background



This preview shows how black text looks on a background with the XYZ color 12.6352, 13.7061, 15.8895.



This preview shows how white text looks on a background with the XYZ color 12.6352, 13.7061,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.6352, 13.7061, 15.8895

Protanopia

13.2775, 13.7444, 15.5888

Deuteranopia

13.8195, 13.5766, 16.0795



Tritanopia

12.9119, 13.6672, 17.2867

Trichromacy



Original Color

12.6352, 13.7061, 15.8895

Protanomaly

13.0313, 13.7660, 15.6060

Deuteranomaly

13.4020, 13.6496, 16.1156

Tritanomaly

12.8018, 13.6231, 16.7066

Monochromacy



Original Color

12.6352, 13.7061, 15.8895

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8158, 13.6668, 15.0592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6352, 13.7061, 15.8895 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(97, 105, 107) looks like.

```
.text, #text, p{  
    color:rgb(97, 105, 107)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(97, 105, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 105, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.6352, 13.7061, 15.8895 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 105, 107) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(97, 105, 107) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(97, 105, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 105, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 105, 107);  
box-shadow:4px 4px 4px 4px rgb(97, 105,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6352, 13.7061, 15.8895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 105, 107) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(97, 105,  
107) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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